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(11) Publication number:

0 367 349 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **89202751.7**

(51) Int. Cl.⁵: **G01V 1/38, G01V 1/36**

(22) Date of filing: **31.10.89**

(30) Priority: **31.10.88 US 265159**

(43) Date of publication of application:
09.05.90 Bulletin 90/19

(84) Designated Contracting States:
DE FR GB NL

(98) Date of deferred publication of the search report:
30.10.91 Bulletin 91/44

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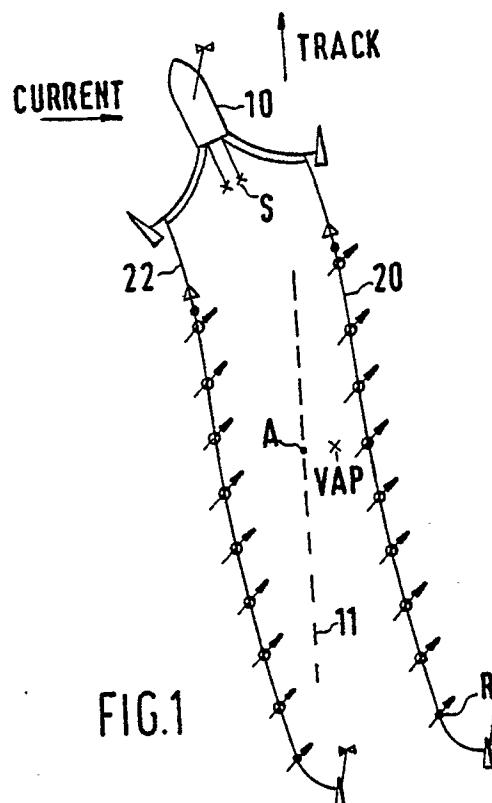
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(54) **Method for processing marine seismic data.**

(57) Methods are provided for processing seismic data acquired during marine seismic operations when the seismic streamer cables or sources deviate from their desired acquisition track. The method initially processes the data using conventional normal moveout techniques, then applies conventional dip moveout techniques, followed by regularization of the cross-line data, and then 3-D migrating the regularized data. Regularization involves determining the signals at preselected cross-line positions based upon the signals detected and recorded at the measured cross-line CMP positions.



EP 0 367 349 A3



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EUROPEAN SEARCH REPORT

Application Number

EP 89 20 2751

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	OFFSHORE, vol. 46, no. 7, July 1986, pages 35-37,40,41, Tulsa, OK, US; H. JAKUBOWICZ: "Each 3-D survey unique technology" * Page 37, column 3, line 6 - page 40, column 3, line 16 * -- --	1-3	G 01 V 1/38 G 01 V 1/36
Y	OIL & GAS JOURNAL, vol. 83, no. 40, October 1985, pages 84-89, Tulsa, OK, US; T.D. EINARSSON et al.: "3D marine systems - an exploration tool" * Page 86, column 1, line 4 - page 87, column 1, line 4 * -- --	1-3	
Y	K.H. WATERS: "Reflection seismology", 3rd edition, 1986, pages 10,11, Wiley & Sons, New York, US -- -- -- --	3	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 01 V
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of search 02 August 91	Examiner DE HEERING P.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document			